

SYSTEM AND METHOD FOR CREATING DYNAMIC FOLDER HIERARCHIES

Abstract

A dynamic foldering system automatically manages the creation and deletion of run-time dynamic folders and selection of documents, items, or object graphs found in the run-time dynamic folders. The system comprises a query/predicate for a design-time folder group based on which dynamic folders are automatically managed, a variable binding mechanism, automatic identifications of dynamic folders containing a particular object, parallel navigation, and customized combination of foldering results. The query/predicate for a design-time folder group can be a parameterized query. The dynamic folder hierarchy is defined by a hierarchy of design-time folder groups defined by a query/predicate on a document comprising structured or semi-structured data. Modifiable criteria for creating the dynamic folder hierarchy are provided by the user. Variable binding provides powerful query/predicate definitions on hierarchical data or graph-structured data. Given a document, the system automatically identifies which dynamic folders contain the document. Parallel navigation allows a

user to navigate along additional paths in a hierarchy and combine the navigation results using set operations.